Index of Claims

| Application/Control No | ol No. | ntro | n/Co | catio | Appli |
|------------------------|--------|------|------|-------|-------|
|------------------------|--------|------|------|-------|-------|

10/025,471 Examiner Applicant(s)/Patent under Reexamination

OSHIMA, AKIHIDE

Art Unit

Joseph R. Pokrzywa

2622

| √ | Rejected |
|---|----------|
|   | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla  | aim        |                 |          |          | Date                | Э               |          |         | ]::::    | Cla      | aim      |                     |          |   | Date                |          |  |        | CI       | aim        |               |                     |          | C        | ate           | •        |          |                   | $\neg$   |
|--|------------|-----------------|----------|----------|---------------------|-----------------|----------|---------|----------|----------|----------|---------------------|----------|---|---------------------|----------|--|--------|----------|------------|---------------|---------------------|----------|----------|---------------|----------|----------|-------------------|----------|
|  | <u>-</u>   | 50/5/10         |          |          |                     |                 |          |         |          |          | <u> </u> |                     |          | 7                                       | П                   |          |  |        |          | -          |               |                     |          |          |               |          | Т        | Т                 | ヿ        |
| Final  | Original   | 12              |          |          |                     |                 | j        |         |          | Final    | Original |                     |          |   |                     |          | 1  |        | Final    | Original   |               |                     |          |          | - 1           |          |          |                   | - [      |
| 证  | ا جُ       | 12              |          |          |                     |                 |          |         |          | 证        | ,<br>i,  |                     | - [      |   |                     |          |  |        | ΙŒ       | , Ž        |               |                     |          |          |               |          |          |                   |          |
| <u></u>  |            | 190             |          | $\perp$  | Ш                   | Ц               |          | _       | J        |          |          | $\sqcup$            | _ _      | Ц.                                      | Ш                   |          |  | _      |          | _          | L             |                     |          |          |               | $\perp$  |          | $\Box$            |          |
|  | 0          | $V_{A}$         |          |          |                     |                 |          |         | J        |          | 51       | $\sqcup \bot$       |          |   | Ш                   |          |  |        |          | 101        | Ĺ             |                     |          |          |               |          | $\perp$  |                   |          |
|  | 2          | V,              |          | _        |                     | Ц               |          |         | J        |          | 52       |                     |          |   | Ш                   |          |  | _ !!!! |          | 102        | L             | Ш                   |          |          |               |          |          | $\sqcup$          |          |
|  | 3          | 1/              |          | <b>_</b> | Щ                   | Ц               |          | $\bot$  | J        |          | 53       |                     |          | ļ                                       | Ш                   | $\bot$   | $\perp \perp$                                    | _      |          | 103        | L             | Ш                   |          |          |               |          |          | $\Box$            |          |
|  | 4          | 4               |          |          |                     | Ш               | _        |         | 4        |          | 54       | Щ.                  | _        | <u> </u>                                | Ш                   |          | $\perp \perp$                                    | _      | L        | 104        | L             | Ш                   |          |          |               | $\perp$  | 丄        | Ц                 | _        |
|  | 5          | V,              |          |          |                     | Ш               | _        | 4       | 4        |          | 55       |                     |          | ┷                                       | Ц                   |          | $\perp$  | _      |          | 105        | _             | Ш                   |          |          |               |          | $\perp$  | ┙                 | _        |
|  | 6          | 4               | _        | _        | $\perp$             | Н               | -        | -       | 4        |          | 56       | $\vdash$            |          | ╄                                       | $\sqcup$            |          | 1  | _ !!!! | <u> </u> | 106        | _             | Ш                   |          |          | _             | _        |          | _                 | _        |
|  | 7          | Z,              | -        | +        | $\vdash$            | $\dashv$        | $\dashv$ | 4       | 4        |          | 57       | ⊢⊦                  | _        | ₩                                       | $\sqcup$            |          | $\perp \perp$                                    | 4      |          | 107        | _             | Ш                   |          |          | $\rightarrow$ | _        |          | 4                 | _        |
|  | 8          | V,              |          | +-       | -                   | $\dashv$        |          |         | 4        |          | 58       | -                   | +        | ╂                                       | $\vdash$            |          | $\vdash$   |        |          | 108        | <u> </u>      | $\sqcup$            | _        | $\dashv$ | 4             | 4        | $\dashv$ | 4                 | _        |
|  | 9          | V)              | -        | +-       | -                   | $\dashv$        |          |         | -        |          | 59       | -                   | -        | ┼                                       | $\sqcup$            |          | -  | -      |          | 109        | <u> </u>      | $\sqcup$            |          |          | _             | _        | $\dashv$ | 4                 | _        |
|  | 10         | <b>V</b>        | <u> </u> | +        | -                   | -               | $\dashv$ | +       | -        |          | 60       | H                   | +        | +-                                      | $\vdash$            | _        | $\vdash$   |        |          | 110        | _             | -                   |          | $\dashv$ | _             | 4        |          | 4                 | 4        |
| <u> </u>   | 11         | V               | $\dashv$ | +-       | $\vdash$            | $\vdash \vdash$ |          | +       | 4        | <u> </u> | 61       | ⊢┼                  | +        | +                                       | $\vdash$            | +        | ++   | -      |          | 111        | <u> </u>      | $\vdash$            | $\dashv$ |          | _             |          | -        | 4                 | 4        |
|  | 13         | 4               | -        | +-       | $\vdash$            | $\vdash$        | $\dashv$ | +       | -        |          | 62       | $\vdash \vdash$     | +        | +                                       | ┝┉                  | -        | ┼-┼-   | -      | <u> </u> | 112        | <del> </del>  | $\vdash$            | $\dashv$ |          |               |          |          | 4                 | $\dashv$ |
| <del>                                     </del> | 14         | 7               | +        | +        | $\vdash$            | $\vdash$        | +        | +       | -        | $\vdash$ | 63       | $\vdash$            | -        | +                                       | ⊢                   | +        | ++   | -      | <u> </u> | 113        |               | $\vdash$            |          |          | $\dashv$      | $\dashv$ | +        | 4                 | 4        |
| $\vdash$   | 15         | <del>ار</del> ا | -        | +        | $\vdash$            | $\vdash$        | $\dashv$ | +-      | -        |          | 64<br>65 | $\vdash \vdash$     | +        | +-                                      | $\vdash \vdash$     | +        | ┼-┼-   |        | <b> </b> | 114<br>115 | _             | $\vdash$            | $\dashv$ | -        | $\dashv$      |          |          | $\dashv$          | 4        |
| $\vdash$   | 15<br>(16) |                 | -        | +-       | $\vdash\vdash$      | $\vdash$        | $\dashv$ | +       | ┨        | -        | 66       | $\vdash$            | +        | +                                       | $\vdash$            |          | ++   | -      | <b> </b> | 116        |               | $\vdash$            |          |          | $\dashv$      |          | +        | 4                 | $\dashv$ |
|  | 17         | 1               | +        | +        | +                   | $\vdash$        | +        | +       | 1        |          | 67       | $\vdash$            | +        | +                                       | $\vdash$            | -        | +-   | -      | <u> </u> | 117        | -             | $\vdash$            |          | $\dashv$ | -             | $\dashv$ | +        | $\dashv$          | 4        |
| <b>├</b>   | 18         |                 | $\dashv$ | +        | $\vdash$            | $\dashv$        |          | +       | -        |          | 68       | $\vdash$            |          | ╫                                       | -                   | +        | ╁┼   | -      | <u> </u> | 118        | $\vdash$      | H                   | -        | ᅱ        | $\dashv$      | $\dashv$ | -+-      | $\dashv$          |          |
| _  | 19         | Н               | $\dashv$ | +-       | $\vdash$            | $\dashv$        | +        | +       | -        | _        | 69       | $\vdash$            | +        | ┿                                       | H                   |          | +  | -      |          | 119        | $\vdash$      | Н                   | $\dashv$ |          | -             |          | +        | $\dashv$          | 긕        |
| $\vdash$   | 20         | $\vdash$        | $\dashv$ | +        | ╁                   | $\dashv$        | -        | +-      | -        | <u> </u> | 70       | $\vdash$            | -        | +                                       | Н                   | +-       | ╁┼   | -      |          | 120        | ⊢             | $\vdash$            | $\dashv$ |          | -             |          | $\dashv$ | $\dashv$          | $\dashv$ |
|  | 21         | $\vdash$        |          | +-       | $\vdash$            | $\vdash$        | -        |         | 1        |          | 71       | $\vdash$            | $\dashv$ | +                                       | H                   | +-       | ++   | -      |          | 121        | $\vdash$      | $\vdash$            | $\dashv$ | $\dashv$ | -             | $\dashv$ | -+       | +                 | $\dashv$ |
| <del></del>                                      | 22         | H               | -        | +-       | Н                   |                 | _        | +-      | 1        |          | 72       | $\vdash$            | +        | +                                       | Н                   |          | +-+  | -      |          | 122        | -             | Н                   | $\dashv$ |          | $\dashv$      | +        | +        | $\dashv$          | 긤        |
|  | 23         |                 | $\top$   |          | $\Box$              |                 | _        | +       | 1        |          | 73       | $\vdash$            | $\dashv$ | +                                       | H                   |          | +  | -      |          | 123        | $\vdash$      | $\vdash$            | $\dashv$ |          | +             | -+       | +        | $\dashv$          | ᅱ        |
|  | 24         |                 | _        | $\top$   |                     | $\neg$          | 十        | $\top$  | 1        | _        | 74       | $\dashv$            | - -      | +-                                      | $\vdash$            | +        | +  | -      |          | 124        | -             | $\vdash$            | -        | -        | $\dashv$      | +        |          | $\dashv$          | $\dashv$ |
|  | 25         |                 |          | $\top$   |                     |                 | $\neg$   | $\top$  | 1        |          | 75       |                     | $\top$   | +                                       | H                   | +        |  | -      |          | 125        |               | H                   | -        | -        | -             | $\dashv$ | +        | $\dashv$          | $\dashv$ |
|  | 26         | П               |          | 1        | $\Box$              |                 |          | $\top$  | 1        |          | 76       | $\vdash$            | $\top$   | 1                                       | $\vdash$            | $\dashv$ |  | -      |          | 126        |               |                     | -        | 寸        | 7             | +        | +        | +                 | ⊣        |
|  | 27         | П               | $\neg$   |          | $\Box$              |                 |          | $\neg$  | 1        |          | 77       |                     |          |   |                     | $\top$   |  | 7      |          | 127        |               |                     | _        | 一        | $\dashv$      | 十        | +        | +                 | 一        |
|  | 28         | П               |          | $\neg$   | $\sqcap$            |                 |          |         | 1        |          | 78       |                     |          | 1                                       |                     | 十        |  |        |          | 128        |               |                     |          | $\neg$   | 寸             | 7        | $\top$   | 十                 | ヿ        |
|  | 29         |                 | $\neg$   | _        | П                   |                 |          | $\top$  | 1        |          | 79       |                     |          |   |                     | $\top$   |  | 7      |          | 129        |               |                     | 寸        |          | $\neg$        | $\neg$   | 十        | $\top$            | ᅱ        |
|  | 30         |                 |          |          |                     |                 |          |         | 7::::    |          | 80       |                     | 7        | $\top$                                  |                     | 丁        |  | 7      |          | 130        |               | П                   | T        | 寸        | $\neg$        |          | $\top$   | 十                 | ヿ        |
|  | 31         |                 |          |          | П                   |                 |          | Τ       | 1        |          | 81       |                     |          |   |                     | T        |  |        |          | 131        | $\overline{}$ | П                   |          |          | 寸             | $\neg$   | 一        | 寸                 | ヿ        |
|  | 32         |                 |          |          |                     |                 |          |         | ]        |          | 82       |                     |          |   |                     |          |  |        |          | 132        |               | $\Box$              | 一        |          | ┪             | $\neg$   | $\top$   | す                 | ᅱ        |
|  | 33         |                 |          |          |                     |                 |          |         |          |          | 83       |                     |          |   |                     |          |  | ]      |          | 133        |               | П                   |          |          | T             |          | $\neg$   | Т                 | ヿ        |
|  | 34         |                 |          |          | Ш                   |                 |          |         |          |          | 84       |                     |          |   |                     |          |  |        |          | 134        |               |                     |          |          |               |          | $\Box$   | J                 |          |
|  | 35         | Щ               | $\perp$  | 4_       | $\sqcup$            |                 |          | $\perp$ | 4        | Ш        | 85       |                     |          |   |                     |          |  | _      |          | 135        |               | $\Box$              |          |          |               |          | $\Box$   | $oxed{\int}$      |          |
|  | 36         | Щ               | $\perp$  | 4        | $\sqcup \downarrow$ | $\sqcup$        |          |         | 1        | $\sqcup$ | 86       | $\sqcup$            |          | ┸                                       | Ц                   |          | $oxed{\Box}$                                     | _      |          | 136        | Ш             |                     |          |          |               |          |          | $oxed{oxed}$      |          |
| <u> </u>   | 37         | $\sqcup$        | $\perp$  | +        | $\sqcup$            |                 | _        | 4       | 1        |          | 87       | $\sqcup$            |          | 4_                                      | Ш                   | 4_       | $oxed{oxed}$                                     | _      |          | 137        |               | Ш                   |          |          | $\Box$        |          |          | $oxed{J}$         |          |
| <u> </u>   | 38         | $\sqcup$        | $\perp$  | -        | $\sqcup$            |                 | 4        |         |          |          | 88       | $\sqcup$            | $\perp$  | 1                                       | $\sqcup$            | 4_       | $\sqcup$   | 4      |          | 138        | Ш             |                     |          |          | $\bot$        | $\Box$   | $\bot$   | $oldsymbol{\bot}$ |          |
|  | 39         | $\dashv$        |          | +-       | $\vdash \vdash$     | _               | _        | +       | 4        |          | 89       | $\perp \perp$       | 4        | $\perp$                                 | $\sqcup$            | 4.       | $\sqcup$   | -      |          | 139        | igspace       | Ш                   | _        | _        | _             |          | $\bot$   | 4                 | _        |
|  | 40         | $\vdash$        |          | +        | $\vdash \vdash$     | $\rightarrow$   |          | -       | 4        | <u> </u> | 90       | $\vdash \downarrow$ | - -      | +-                                      | $\vdash \downarrow$ | +        | <b>├</b>   | -      |          | 140        | Щ             | $\sqcup$            | _        | _        | _             | _        | 4        | 4                 | $\perp$  |
|  | 41         | $\vdash \vdash$ | +        | +        | $\vdash$            | -               | +        | -       | 4        |          | 91       | $\vdash$            | +        | -                                       | $\vdash \vdash$     |          | ++   | -      |          | 141        | Ш             | $\sqcup$            |          | _        | 4             | _        | 4        | 4                 | $\dashv$ |
| -  |            | $\vdash$        | +        | +        | $\vdash \vdash$     | -               | $\dashv$ | +       | 1        |          | 92       | $\vdash$            | - -      | +                                       | $\vdash \vdash$     |          | <del>                                     </del> | -      |          | 142        | $\vdash$      | $\vdash$            |          | _        | _             | _        | +        | 4                 | 4        |
| -  | 43<br>44   | $\vdash$        | +        | +        | $\vdash$            | $\dashv$        | +        | +-      | 1        |          | 93       | -                   | +        | -                                       | $\vdash$            |          | $\vdash \vdash$                                  | -      |          | 143        | Щ             |                     |          | _        | _             | $\dashv$ | +        | 4                 | 4        |
| $\vdash$   | 45         | $\dashv$        | $\dashv$ | +        | $\vdash$            | $\dashv$        | -        |         | 1        | -        | 94<br>95 | -                   | +-       | +                                       | $\vdash \vdash$     | +        | ++   | -      | ļ        | 144        | H             | $\vdash \vdash$     | $\dashv$ | _        | $\dashv$      | $\dashv$ | +        | 4                 | 4        |
|  | 46         | $\dashv$        | +        | +-       | $\vdash$            | $\dashv$        | $\dashv$ |         | <b>{</b> |          | 96       | -                   | +-       | +                                       | $\vdash \vdash$     | +-       | ++   | - :::: |          | 145        | Н             | $\vdash \downarrow$ | $\dashv$ | _        | $\dashv$      |          | +        | 4                 | 4        |
| <del></del>                                      | 47         | $\dashv$        | +        | +        | $\vdash$            | $\dashv$        | $\dashv$ | +       | 1        |          | 97       | -                   | +        | +                                       | $\vdash \vdash$     | +        | ++   | -      | -        | 146<br>147 | Н             | $\vdash$            | $\dashv$ |          | $\dashv$      | -        | +        | +                 | $\dashv$ |
|  | 48         | $\dashv$        | +        | +        | $\vdash$            | $\dashv$        | +        | +       | ╢        |          | 98       | +                   | +        | +                                       | $\vdash +$          | +-       | ++   | -      |          | 148        | Н             | $\vdash \vdash$     | $\dashv$ | -+       | -             | +        | +        | +                 | $\dashv$ |
| $\vdash$   | 49         | $\dashv$        | +        | +-       | $\vdash$            | $\dashv$        | $\dashv$ | +       | 1        | -        | 99       | -                   | +        | +                                       | $\dashv$            | +-       | $\vdash$   | -      |          | 149        |               | $\vdash$            | $\dashv$ |          | $\dashv$      | $\dashv$ | +        | +                 | ᅴ        |
|  | 50         |                 | 十        | +        | $\vdash$            | $\dashv$        | -        | -       | tiiii    | -        | 100      | +                   | +        | +                                       | $\dashv$            |          | $\vdash$   | -      | _        | 150        | $\vdash$      | $\vdash \vdash$     | -+       | -+       | $\dashv$      | $\dashv$ | +        | +                 | $\dashv$ |
|  |            | ш               |          |          | ш                   |                 | L_       | I       | 1        |          | 100      | 'L_                 | _ــــ    | لــــــــــــــــــــــــــــــــــــــ | $\perp$             | _!_      |  | :::::  |          | 130        |               | $\sqcup$            |          | 1        |               |          |          | ᆚ                 |          |